

□if a English version is needed, please let me know□

[illegible]

☐☐ ☐☐☐ email: gulifan@hotmail.com

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# ##### Turing Test #####

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**Nature**

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20

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Category	Count
200	1
10%	1
1%	1

[illegible]

BRAIN Initiative

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☐ Nature

AlphaGo Zero 在 Nature 期刊上超越人类 [1] AlphaGo 在围棋领域取得突破，  
在 Go 游戏中击败人类顶尖棋手。AlphaGo Zero 在围棋领域取得突破，  
在 Go 游戏中击败人类顶尖棋手。

Shor's algorithm

Quantum Supremacy

Quantum Supremacy ☐ Sycamore ☐ NISQ ☐ noise ☐

Quantum Supremacy  noise 

Quantum Supremacy NISQ John Preskill [3]

Quantum Supremacy □□□□ optimization □ machine learning □□□□□□□□□□□□□□□□  
 □□□□□□□ NISQ □□ noisy □□□ Sycamore □□□□□□□□□□□□□□□□□□□□□□□□□□□□

Quantum Supremacy

“ ” “ ”

[illegible]

Académie française

smart phone

niche market

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[1] Mastering the game of Go without human knowledge, published in Nature, on 18 October 2017: <https://www.nature.com/articles/nature24270>.

[2] Quantum supremacy using a programmable superconducting processor, published in Nature, on 23 October, 2019: <https://www.nature.com/articles/s41586-019-1666-5>

[3] <https://www.quantamagazine.org/john-preskill-explains-quantum-supremacy-20191002/>.